

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/005140

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/48 C07H21/00 C07D207/46 C07D207/44 C07K17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N C07H C07K C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No |
|------------|--|----------------------|
| X | <p>NEUMANN W P ET AL: "STERICALLY HINDERED FREE RADICALS. 14. SUBSTITUENT-DEPENDENT STABILIZATION OF PARA-SUBSTITUTED TRIPHENYLMETHYL RADICALS" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 108, no. 13, 1986, pages 3762-3770, XP002265819 ISSN: 0002-7863 the whole document</p> <p>-----</p> <p style="text-align: center;">-/-</p> | 6,7 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

- Special categories of cited documents :
- A* document defining the general state of the art which is not considered to be of particular relevance
- E* earlier document but published on or after the international filing date
- L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O* document referring to an oral disclosure, use, exhibition or other means
- P* document published prior to the international filing date but later than the priority date claimed

- T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- &* document member of the same patent family

Date of the actual completion of the international search

18 May 2005

Date of mailing of the international search report

30/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| X | GILDEA B D ET AL: "A VERSATILE ACID-LABILE LINKER FOR MODIFICATION OF SYNTHETIC BIOMOLECULES" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 31, no. 49, 26 November 1990 (1990-11-26), pages 7095-7098, XP000172821 ISSN: 0040-4039 schemes 1, 2 ----- | 6,7,11 |
| X | LEIKAUF E ET AL: "A COMBINATORIAL PROTECTING GROUP STRATEGY FOR OLIGONUCLEOTIDE SYNTHESIS" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 52, no. 20, May 1996 (1996-05), pages 6913-6930, XP002042681 ISSN: 0040-4020 the whole document ----- | 3,4,11 |
| X | SEIO, K. ET AL.: "Enhanced stereoselectivity in internucleosidic bond formation by the use of the chiral ribose moiety of thymidine" J. ORG. CHEM., vol. 68, 2003, pages 3849-3859, XP002328262 scheme 2 ----- | 6,7 |
| X | SCHIRRMACHER, R.: "Radiosynthesis of 2-(((4-(-(2-(18F)fluoroethoxy)phenyl)bis(4-methoxy-phenyl)methoxy)ethyl)piperidine-3-carboxylic acid: a potential GAT-3-PET ligand to study GABAergic neuro-transmission in vivo" J. RADIOLABEL. COMPOUNDS AND RADIOPHARM., vol. 44, 2001, pages 627-642, XP002328263 page 630 - page 633 ----- | 6,7 |
| X | SHCHEPINOV, M.S. AND KORSHUN, V.A.: "Recent applications of bifunctional trityl groups" CHEM. SOC. REV., vol. 32, 2003, pages 170-180, XP009047722 the whole document ----- | 3,4,6,7, 11 |
| X | WO 01/72926 A (ISIS INNOVATION LIMITED; SHCHEPINOV, MIKHAIL SERGEEVICH; SOUTHERN, EDW) 4 October 2001 (2001-10-04) page 15; claim 11 ----- | 6,7,11 |
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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| X | WO 99/60007 A (ISIS INNOVATION LIMITED; SOUTHERN, EDWIN, MELLOR; SHCHEPINOV, MIKHAIL,) 25 November 1999 (1999-11-25) figures 3,4 ----- | 6,7,11 |
| X | WO 98/20019 A (SEQUENOM, INC; LOUGH, DAVID, M; KOESTER, HUBERT; REUTER, DIRK; HIGGINS) 14 May 1998 (1998-05-14) figures 3,10 ----- | 11 |
| X | EP 0 424 819 A (MILLIPORE CORPORATION) 2 May 1991 (1991-05-02) figure 1 ----- | 6,7 |
| X | US 2003/119021 A1 (KOSTER HUBERT ET AL) 26 June 2003 (2003-06-26) figures 15,20; example 9 ----- | 1,2,8,9, 12,15 |
| E | EP 1 506 959 A (OXFORD GENE TECHNOLOGY IP LIMITED) 16 February 2005 (2005-02-16) the whole document ----- | 1-42 |

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 6, 7 and the corresponding dependent claims because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 6,7 and the corresponding dependent claims

The above-indicated claims could only be searched partially since the state of the art comprises numerous compounds falling within the scope of the claims. Only a selection of the relevant documents are cited.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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